

DERWENT-ACC-NO: 1997-149667

DERWENT-WEEK: 199714

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TITLE: Reforming methane using carbon di:oxide - in presence of catalyst loaded with nickel and added alkali or alkaline earth metal oxide promoter

INVENTOR-NAME:

PRIORITY-DATA: 1995JP-0173682 (July 10, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 09025101 A	January 28, 1997	N/A
001	C01B 003/40	

INT-C_(IPC): B01J023/78; C01B003/40

ABSTRACTED-PUB-NO: JP 09025101A

BASIC-ABSTRACT: Reforming of methane comprises contacting a CH₄-contg. gas and a CO₂-contg. gas in the presence of a catalyst loaded with nickel to which an alkaline earth metal oxide or an alkali metal oxide is added as a promoter. Also claimed is the catalyst that is used in the reforming of methane.

USE ~~Synthesis gas~~ contg. CO and H₂ can be produced from a CH₄-contg. gas and a CO₂-contg. gas.

ADVANTAGE - Deposition of carbon on the surface of the catalyst can be inhibited.

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Basic Abstract Text - ABTX:

Reforming of methane comprises contacting a CH₄-contg. gas and a CO₂-contg. gas in the presence of a catalyst loaded with nickel to which an alkaline earth metal oxide or an alkali metal oxide is added as a promoter. Also claimed is

the catalyst that is used in the reforming of methane .

Basic Abstract Text - ABTX:

USE - Synthesis gas contg. CO and H₂ can be produced from
a CH₄-contg. gas and
a CO₂-contg. gas.

Title - TIX:

Reforming methane using carbon di:oxide - in presence of
catalyst loaded with
nickel and added alkali or alkaline earth metal oxide
promoter

Standard Title Terms - TTX:

REFORM METHANE CARBON DI OXIDE PRESENCE CATALYST LOAD
NICKEL ADD ALKALI
ALKALINE EARTH METAL OXIDE PROMOTE